



SEQUENCE LISTING

<110> GTx Inc.
Steiner, Mitchell S
Rinaldi, Augustine
Menon, Rema

<120> An isolated nucleic acid encoding P-HYDE protein and methods of inducing susceptibility to induction of cell death in cancer

<130> P-2762-US1

<140> US 09/449,817

<141> 1999-11-26

<150> US 09/302,457

<151> 1999-04-29

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<170> PatentIn version 3.3

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<213> Rattus norvegicus
<400> 7

Met Ser Gly Glu Met Asp Lys Pro Leu Ile Ser Arg Arg Leu Val Asp
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Ser Asp Gly Ser Leu Ala Glu Val Pro Lys Glu Ala Pro Lys Val Gly
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Ile Leu Gly Ser Gly Asp Phe Ala Arg Ser Leu Ala Thr Arg Leu Val
35 40 45

Gly Ser Gly Phe Phe Val Val Val Gly Ser Arg Asn Pro Lys Arg Thr
50 55 60

Ala Gly Leu Phe Pro Ser Leu Ala Gln Val Thr Phe Gln Glu Glu Ala
65 70 75 80

Val Ser Ser Pro Glu Val Ile Phe Val Ala Val Phe Arg Glu His Tyr
85 90 95

Ser Ser Leu Cys Ser Leu Ala Asp Gln Leu Ala Gly Lys Ile Leu Val
100 105 110

Asp Val Ser Asn Pro Thr Glu Lys Glu Arg Leu Gln His Arg Gln Ser
115 120 125

Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Ala Cys Thr Val Val Lys
130 135 140

Ala Phe Asn Val Ile Ser Ala Trp Ala Leu Gln Ala Gly Pro Arg Asp
145 150 155 160

Gly Asn Arg Gln Val Leu Ile Cys Gly Asp Gln Leu Glu Ala Lys His
165 170 175

Thr Val Ser Glu Met Ala Arg Ala Met Gly Phe Thr Pro Leu Asp Met
180 185 190

Gly Ser Leu Ala Ser Ala Arg Glu Val Glu Ala Ile Pro Leu Arg Leu
195 200 205

Leu Pro Ser Trp Lys Val Pro Thr Leu Leu Ala Leu Gly Leu Ser Thr
210 215 220

Gln Ser Tyr Ala Tyr Asn Phe Ile Arg Asp Val Leu Gln Pro Tyr Ile
225 230 235 240

Arg Lys Asp Glu Asn Lys Phe Tyr Lys Met Pro Leu Ser Val Val Asn
245 250 255

Thr Thr Ile Pro Cys Val Ala Tyr Val Leu Leu Ser Leu Val Tyr Leu
260 265 270

Pro Gly Val Leu Ala Ala Ala Leu Gln Leu Arg Arg Gly Thr Lys Tyr
275 280 285

Gln Arg Phe Pro Asp Trp Leu Asp His Trp Leu Gln His Arg Lys Gln
290 295 300

Ile Gly Leu Leu Ser Phe Phe Ala Met Leu His Ala Leu Tyr Ser
305 310 315 320

Phe Cys Leu Pro Leu Arg Arg Ser His Arg Tyr Asp Leu Val Asn Leu
325 330 335

Ala Val Lys Gln Val Leu Ala Asn Lys Ser Arg Leu Trp Val Glu Glu
340 345 350

Glu Val Trp Arg Met Glu Ile Tyr Leu Ser Leu Gly Val Leu Ala Leu
355 360 365

Gly Met Leu Ser Leu Leu Ala Val Thr Ser Ile Pro Ser Ile Ala Asn
370 375 380

Ser Leu Asn Trp Lys Glu Phe Ser Phe Val Gln Ser Thr Leu Gly Phe
385 390 395 400

Val Ala Leu Met Leu Ser Thr Met His Thr Leu Thr Tyr Gly Trp Thr
405 410 415

Arg Ala Phe Glu Glu Asn His Tyr Lys Phe Tyr Leu Pro Pro Thr Phe
420 425 430

Thr Leu Thr Leu Leu Leu Pro Cys Val Ile Ile Leu Ala Lys Gly Leu
435 440 445

Phe Leu Leu Pro Cys Leu Ser His Arg Leu Thr Lys Ile Arg Arg Gly
450 455 460

Trp Glu Arg Asp Gly Ala Val Lys Phe Met Leu Pro Ala Gly His Thr
465 470 475 480

Gln Gly Glu Lys Thr Ser His Val
485